



2FV #

Approved for use through 9/30/2000. OMB 0651-0032  
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# FEE TRANSMITTAL

Patent fees are subject to annual revision.

## Complete If Known

|                      |                  |
|----------------------|------------------|
| Application Number   | 10/774,608       |
| Filing Date          | 10 February 2004 |
| First Named Inventor | TAE-HO LEE       |
| Examiner Name        | PATEL, VIP       |
| Group/Art Unit       | 2879             |
| Attorney Docket No.  | P57022           |

TOTAL AMOUNT OF PAYMENT

(\$)180.00

## METHOD OF PAYMENT (check one)

### 1. ☒ Payment Enclosed:

(CHECK #50575)

☒ Check ☐ Credit Card ☐ Money Order  
☐ Other

☐ Charge Any Additional Fee Required Under 37 C.F.R. §1.16 and 1.17.

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ The Commissioner is hereby authorized to charge any deficiency and credit any over payments to:

Deposit Account Number: 02-4943

## FEE CALCULATION

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description | Fee Paid |
|----------|----------|----------|----------|-----------------|----------|
|----------|----------|----------|----------|-----------------|----------|

### EXTENSION OF TIME FEES

|      |      |      |      |   |    |
|------|------|------|------|---|----|
| 1251 | 120  | 2251 | 60   | Extension for reply within first month  | \$ |
| 1252 | 450  | 2252 | 225  | Extension for reply within second month | \$ |
| 1253 | 1020 | 2253 | 510  | Extension for reply within third month  | \$ |
| 1254 | 1590 | 2254 | 795  | Extension for reply within fourth month | \$ |
| 1255 | 2160 | 2255 | 1080 | Extension for reply within fifth month  | \$ |

### APPEAL

|      |      |      |     |  |    |
|------|------|------|-----|--|----|
| 1401 | 500  | 2401 | 250 | Notice of Appeal                       | \$ |
| 1402 | 500  | 2402 | 250 | Filing a brief in support of an appeal | \$ |
| 1403 | 1000 | 2403 | 500 | Request for oral hearing               | \$ |

### CLAIMS

|      |     |      |     |                                   |    |
|------|-----|------|-----|-----------------------------------|----|
| 1201 | 200 | 2201 | 100 | Independent claims in excess of 3 | \$ |
| 1202 | 50  | 2202 | 25  | claims in excess of 20            | \$ |

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

SUBTOTAL: LEFT COLUMN \$ 0.00

## FEE CALCULATION

| Fee Code             | Fee (\$) | Fee Code | Fee (\$) | Fee Description                         | Fee Paid  |
|----------------------|----------|----------|----------|---|-----------|
| <b>MISCELLANEOUS</b> |          |          |          |   |           |
| 1801                 | \$790    | 2801     | \$395    | Request for continued examination (RCE) | \$        |
| 1806                 | \$180    |          |          | Submission of an IDS                    | \$ 180.00 |
| 1814                 | \$130    | 2814     | \$65     | Statutory disclaimer                    | \$        |
| 8021                 | \$40     |          |          | Recordation of assignment per property  | \$        |

### TRADEMARK

|           |  |       |  |    |
|-----------|--|-------|--|----|
| 6001/7001 |  | \$335 | Application for registration, per class            | \$ |
| 6002/7002 |  | \$100 | Amendment to Allege Use, per class                 | \$ |
| 6003/7003 |  | \$100 | Statement of Use, per class                        | \$ |
| 6004/7004 |  | \$150 | Request for six-month extension of time, per class | \$ |
| 6205/7205 |  | \$100 | \$8 affidavit, per class                           | \$ |
| 6208/7208 |  | \$200 | \$15 affidavit, per class                          | \$ |
| 6201/7201 |  | \$400 | Application for renewal, per class                 | \$ |
| 6403/7403 |  | \$100 | Ex parte appeal, per class                         | \$ |

### PETITION

|      |        |       |                                   |   |    |
|------|--------|-------|-----------------------------------|---|----|
| 1462 |        | \$400 | Petitions to Director (Group I)   | \$  |    |
| 1463 |        | \$200 | Petitions to Director (Group II)  | \$  |    |
| 1464 |        | \$130 | Petitions to Director (Group III) | \$  |    |
| 1452 | \$500  | 2452  | \$250                             | Petitions to revive unavoidably abandoned application     | \$ |
| 1453 | \$1500 | 2453  | \$750                             | Petitions to revive unintentionally abandoned application | \$ |

### PATENT MAINTENANCE

|      |        |      |        |                   |    |
|------|--------|------|--------|-------------------|----|
| 1551 | \$900  | 2551 | \$450  | Due at 3.5 years  | \$ |
| 1552 | \$2300 | 2552 | \$1150 | Due at 7.5 years  | \$ |
| 1553 | \$3800 | 2553 | \$1900 | Due at 11.5 years | \$ |

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

Other Fee (specify) \_\_\_\_\_ \$

SUBTOTAL: RIGHT COLUMN \$ 180.00

## SUBMITTED BY

## Complete (if applicable)

|                       |                          |      |               |                         |        |  |
|-----------------------|--------------------------|------|---------------|-------------------------|--------|--|
| Typed or Printed Name | Robert E. Bushnell, Esq. |      |               | Reg. Number             | 27,774 |  |
| Signature             |                          | Date | 20 March 2006 | Deposit Account User ID |        |  |

REB/ny

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PATENT  
P57022

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

TAE-HO LEE

Serial No.: 10/774,608

Examiner: PATEL, VIP

Filed: 10 February 2004

Art Unit: 2879

For: PLASMA DISPLAY PANEL WITH OPEN AND CLOSED DISCHARGE  
CELLS

**INFORMATION DISCLOSURE STATEMENT**

**Mail Stop: Issue Fee**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, and §§1.97 and 1.98 as amended, Applicant cites, describes, and provides copies of the following art references. Under 37 C.F.R. §1.98(a)(2) however, copies of U.S. patent reference(s) are not provided.

**FOREIGN PATENT REFERENCE(S):**

- Japanese Patent Publication No. 08-335440 to Miyagawa *et al.*, entitled *GAS DISCHARGE TYPE DISPLAY DEVICE AND ITS MANUFACTURE*, published on 17 December 1996; and
- Japanese Patent Publication No. 2000-228150 to Hirano *et al.*, entitled *PLASMA DISPLAY DEVICE*, published on 15 August 2000.

Folio: P57022

Date: 3/20/06

ID: REB/ny

03/21/2006 HAL111 00000163 10774608

01 FC:1806

180.00 DP

**OTHER DOCUMENT(S):**

- *Office action* from the Korean Intellectual Property Office issued in Applicant's corresponding Korean Patent Application No. 2003-0010997 dated 18 December 2005.

**DISCUSSION**

The Examiner stated, in the Office action issued by the Korean Intellectual Property Office on the 18<sup>th</sup> of December 2006 in applicant's corresponding Korean Patent Application corresponding to applicant's above-captioned U.S. Patent Application, that reference 1 (JP 8-335441) discloses that a discharge cell is formed into a stripe type by repeatedly arranging two rows, and reference 2 (JP12-228150) discloses a plasma display panel which may optimize brightness balance without making pixel structure and driving method complex by the shapes of light shields of various and simple constitutions. In view of the technical point, the combination of the two references is similar to the present invention. Also, in view of the objects and effects (i.e., improvement of evacuation efficiency), the combination of the two references is similar to the present invention. Therefore, the ordinary skilled person in the art can make the present invention from a combination of the two references.

**Miyagawa et al.'JP440** discloses that first electrode wires 2 buried in grooves 1a and priming ribs 10 having priming slits 10c are provided on a front face plate 1. Second electrode wires 4, display electrode bodies 78 respectively connected to the second electrode wires 4, partition walls 5 formed into grid-like surrounding the display electrode bodies 7, fluorescent substances 9 surrounded by the partition walls 5 and formed in areas excluding the display electrode bodies 7 are provided on a back face plate 3. The front face plate 1 and the back face plate 3 are oppositely held

so as to fill rare gas inside.

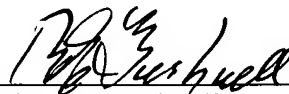
**Hirano *et al.*'JP150** discloses that vertical stripe light shields 11a, 11b, 11c, 11d of different width are arranged so that the opening spaces of pixels R, G, B are different while the opening space of discharge space of pixels R is larger than that of pixel G and the opening space of discharge space of pixel B is larger than that of pixel R. And light shields of horizontal stripe or grid pattern are placed at the peripheries of pixels R, G, B, and further more, polygonal or curved protrusions are formed in the light shields so that light shielding areas are different. Insular light shields of different light shielding areas are placed in the discharge spaces of pixels R, G, B, or vertical, horizontal, or oblique stripes of different light shielding areas are arranged to occupy parts of the discharge spaces of pixels R, G, B.

The citation of the foregoing references is not intended to constitute an assertion that other or more relevant art does not exist. Accordingly, the Examiner is requested to make a wide-ranging and thorough search of the relevant art.

Pursuant to 37 CFR § 1.97(d), the undersigned attorney hereby certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign patent application not more than three(3) months prior to the filing of the statement.

Pursuant to 37 C.F.R. §1.97(d)(2), the fee set forth under 37 C.F.R. §1.17(p) of \$180.00 accompanies this Information Disclosure Statement. Should the check become lost, be deficient in payment, or should other fees be incurred, the Commissioner is authorized to charge Deposit Account No. 02-4943 of Applicant's undersigned attorney in the amount of such fees.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "R. E. Bushnell", is written over a horizontal line.

Robert E. Bushnell

Reg. No.: 27,774

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Folio: P57022  
Date: 20 March 2006  
I.D.: REB/ny



## INFORMATION DISCLOSURE STATEMENT

PTO-1449 (PAGE 1 OF 1)

SERIAL NUMBER 10/774,608

DOCKET NO. P57022

APPLICANT

TAE-HO LEE

FILING DATE 10 February 2004

GROUP

2879

## U.S. PATENT DOCUMENTS

| EXAMINER | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|----------|-----------------|------|------|-------|----------|-------------|
|          |                 |      |      |       |          |             |
|          |                 |      |      |       |          |             |
|          |                 |      |      |       |          |             |
|          |                 |      |      |       |          |             |
|          |                 |      |      |       |          |             |
|          |                 |      |      |       |          |             |

## FOREIGN PATENT DOCUMENTS

## TRANSLATION

|  | DOCUMENT NUMBER | DATE  | COUNTRY | CLASS | SUBCLASS | YES      | NO |
|--|-----------------|-------|---------|-------|----------|----------|----|
|  | JP 08-335440    | 12/96 | JAPAN   |       |          | Abstract |    |
|  | JP 2000-228150  | 8/00  | JAPAN   |       |          | Abstract |    |
|  |                 |       |         |       |          |          |    |
|  |                 |       |         |       |          |          |    |
|  |                 |       |         |       |          |          |    |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

Office action from the Korean Intellectual Property Office issued in Applicant's corresponding Korean Patent Application No. 2003-0010997 dated 18 December 2005.

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.